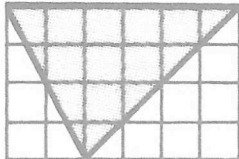
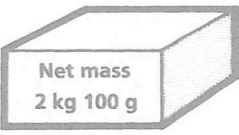


Section 2 Test 3

A		ANSWER
1	$£0.07 + £7.00 + £0.70$	£
2	$(7 \times 10^3) + (5 \times 10^2) + (3 \times 10^1)$	_____
3	$p \times 10 = £1.60$	p
4	$870 \text{ kg} + 0.5 \text{ tonne} =$ t	t
5	$1.36 \div 8$	_____
6	$(4 \times 96) + (6 \times 96)$	_____
7	$360^\circ - (145^\circ + 55^\circ)$	°
8	$3 \text{ l } 250 \text{ ml} - \frac{3}{4} \text{ l} =$ l	l
9	$3.593 + 0.407$	_____
10	80% of 400	_____
11	$\frac{2}{3} + \frac{1}{6}$	_____
12	$3 \times 3 = 3^2 = 9$ $\sqrt{9} = 3$ Find $\sqrt{36}$.	_____

B		ANSWER
1	What number is one more than 99 999?	_____
2	By how many seconds is 70 s less than $1\frac{1}{4}$ minutes?	s
3	700 ml cost £0.91. Find the cost per litre.	£
4	The length of a rectangle is 15 cm and its perimeter is 46 cm. Find (a) the width (b) the area.	(a) _____ (b) _____
5	Write 1 mm of 2 m as a fraction.	_____
6	Divide the total of £1.17 and £0.28 by 5.	£
7	$4 \times y = 4y$ Find the value of y when $4y = 14$.	_____
8	Approximate (a) 9493 g to the nearest kg (b) 305 426 to the nearest 10 000.	(a) kg _____ (b) _____
9	Write as a decimal the sum of 5, $\frac{3}{10}$ and $\frac{84}{100}$.	_____
10	What percentage is 6 cm of 2 m?	%
11	$\frac{1}{10} \quad \frac{1}{5} \quad \frac{3}{10} \quad \frac{2}{5} \quad \frac{1}{2}$	_____
	Write the next two numbers in this series.	_____
12	Write 125 ml of 1 litre as (a) a fraction in its lowest terms (b) a decimal fraction.	(a) _____ (b) _____

C		ANSWER																		
1	The price of a 32p packet of sweets is increased by 25%. What is the new price?	p _____																		
2	AIR SHOW ADMISSION £4.20 Children: half-price	Find the total cost for 2 adults and 2 children. £ _____																		
3	The length of a garage is 5 metres. The overall length of a car is 4445 mm. By how many mm is the garage longer than the car?	mm _____																		
4	A woman is employed for 36 hours from Monday to Friday (inclusive). Find in h and min the average time she works each day.	h _____ min _____																		
5	From a gift of £10, Ahmed received £3.70. His three sisters shared the remainder equally. How much did each sister receive.	£ _____																		
6	A packet of weed-killer will treat 100 m ² of lawn. How many packets are needed to treat a square lawn with 20-m sides?	_____																		
7	Two of the angles in each of the triangles X, Y and Z are given. Find the third angle for each triangle.	_____																		
	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Triangle X</td> <td style="padding: 2px;">96°</td> <td style="padding: 2px;">42°</td> <td style="padding: 2px;">°</td> <td style="padding: 2px;">X</td> <td style="padding: 2px;">°</td> </tr> <tr> <td style="padding: 2px;">Triangle Y</td> <td style="padding: 2px;">60°</td> <td style="padding: 2px;">60°</td> <td style="padding: 2px;">°</td> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">°</td> </tr> <tr> <td style="padding: 2px;">Triangle Z</td> <td style="padding: 2px;">90°</td> <td style="padding: 2px;">57°</td> <td style="padding: 2px;">°</td> <td style="padding: 2px;">Z</td> <td style="padding: 2px;">°</td> </tr> </table>	Triangle X	96°	42°	°	X	°	Triangle Y	60°	60°	°	Y	°	Triangle Z	90°	57°	°	Z	°	_____
Triangle X	96°	42°	°	X	°															
Triangle Y	60°	60°	°	Y	°															
Triangle Z	90°	57°	°	Z	°															
8	A map is drawn to a scale of 1 cm to 1 km (1:100 000). Find the distance in km represented by a line 42 mm long.	km _____																		
9	$F = \{ 16 \ 4 \quad 1 \ 64 \ 2 \}$ $F =$ the set of factors of 64. Find the missing factors.	_____																		
10	How many litres of water can be contained in a tank measuring (a) 10 cm long, 10 cm wide, 10 cm high (b) 30 cm long, 20 cm wide, 30 cm high?	(a) l _____ (b) l _____																		
11		The squares of the grid have 5-mm sides. Find the area of the shaded triangle in cm ² . _____ cm ²																		
12		The mass of the contents of the box is $\frac{7}{8}$ of the total mass. Find in kg the gross mass. _____ kg																		